

SEMIANNUAL REPORT

ANIMAL CARE AND USE  
PROGRAM REVIEW AND FACILITY INSPECTION  
OF THE

NIAMS

April 2020

**Section A – Site Visits & Program Review**

- 1) Inspections of the **NIAMS** animal facilities (AF), satellite holding facilities (SF), USDA-defined study areas for regulated species (SA) and areas where any surgical manipulations (Surg) are performed (as applicable) were conducted as indicated below:

Location	Type	Date	ACUC Members
Redacted by agreement	AF	3/6/20	Gadina, Redacted by agreement, St. Claire, Redacted by agreement

- 2) Visits by at least one member of the ACUC to all remaining areas where animal activities were performed were conducted. These visits occurred during the previous six months and findings and corrective actions are described in this or the previous semiannual report.
- 3) The following document(s) was/were used as the basis for review of the animal care and use program:

	Document/Resource:
✓	Guide for the Care & Use of Laboratory Animals, 8 <sup>th</sup> Edition (Guide)
✓	AAALAC Program Description
✓	OACU “Animal Program Semiannual Assessment Checklist” (1 page summary)
✓	OACU/OLAW “Semiannual Program Review & Facility Inspection Checklist” (24 pages)
	Other documents/resources (please specify)

- 4) The program review was conducted in the following manner:

	Program Review Process
✓	Full committee member review for ALL of the review, i.e. the documents/resources listed in A3) are included in the meeting packet and reviewed at a fully convened meeting
	Full committee and subcommittee review, i.e. the documents/resources listed in A3) are assigned to various members who review their parts/sections and then they discuss their reviews with the full committee for a final review/approval
	Designated member review, i.e. the documents/resources listed in A3) are assigned to various members who review their parts/sections and then report back to the full committee the results of their designated review
	Other, please describe:

**Section B – Regulatory Compliance:**

Except as noted in Sections E, F, and G below, the facilities and program are in full compliance with the Public Health Service Policy, the Animal Welfare Act Regulations and the Guide, which were used as the basis for this evaluation.

**Section C – Program Changes:**

The following administrative and procedural changes have occurred since the program was last evaluated:

**1) Administrative/Procedural Changes:**

N/A

**2) Key Personnel Changes - ACUC Chair, ACUC Attending Vet, APD, or Program Manager:**

Role (ACUC Chair, ACUC AV, IC APD, or IC Animal Program Manager)	Name	Action (joined or departed)
N/A	N/A	N/A

**3) Animal Facility/Area Changes:**

Facility Type (AF/SF)	Location	Action (opened, closed, under renovation, etc.)
N/A	N/A	N/A

**Section D – Guide Departures & USDA Exceptions:**

Departures from the standards of the *Guide* and exceptions to the USDA *Animal Welfare Act Regulations*, which have been approved by the Animal Care and Use Committee, include the following:

**1. Departures from the Guide:**

Guide Departures	Guide Departure Citation (page #)	Justification (scientific, veterinary, or animal welfare)
N/A	N/A	N/A

**2. Exceptions to the AWAR:**

Species	# Animals Affected (this Period)	9CFR title/section	Description and Rationale
N/A	N/A	N/A	N/A

**Section E – Previous Deficiencies & Plans:**

The committee validated that the plans and schedules for deficiencies noted during the previous **NIAMS** program review, and facilities and laboratory inspections were achieved within the time intervals projected on the previous semiannual report.

**Section F – Current Deficiencies & Plans:**

Deficiencies found over the past 6 months during **NIAMS** program review, facility inspections, and laboratory inspections, are as follows:

	Deficiency	<sup>1</sup> M/S	Location	Correction Plan	Responsible Party	Scheduled Completion Date (mm/dd/yy)	<sup>2</sup> Status: C/P
1	N/A	N/A	N/A	N/A	N/A	N/A	N/A

<sup>1</sup>M=minor; S=significant<sup>2</sup>C=corrected; P=pending

[See the “README” file for guidance on Section F.] If a significant deficiency is being contemplated; the Director, OACU must be contacted prior to finalizing your report. For a significant deficiency to be

*listed it must be agreed upon by both the ACUC and IO/DDIR. The Director, OACU will facilitate this discussion with the IO/DDIR.*

### **Section G – Reportable Events:**

PHS Policy (i.e. OLAW) reportable events that occurred in the last 6 months or that are still awaiting final disposition are as follows: [ X ] None

### **Section H – Shared & Central Facilities:**

This semiannual report also encompasses review and oversight of animals and animal activities which were present or occurred in shared or central facilities. Deficiencies were noted and transmitted directly to the facility, and if necessary, to the responsible Animal Care and Use Committee. These reviews were conducted as indicated below:

Building	Date	ACUC Members
Redacted by agreement	N/A	N/A (Inspection not conducted as per approved waiver from OLAW)
	N/A	N/A (Inspection not conducted as per approved waiver from OLAW)
	N/A	N/A (Inspection not conducted as per approved waiver from OLAW)
	N/A	N/A (Inspection not conducted as per approved waiver from OLAW)

### **Section I – Minority Report**

There is not a minority report filed with this semiannual report.

**NIAMS ACUC Member Signatures:**

Massimo G.  
Gadina -S  
Digitally signed by  
Massimo G. Gadina -S  
Date: 2020.04.27  
11:06:42 -04'00'  
Massimo Gadina, Chair, ACUC

Mark B. Foster  
St Claire -S  
Digitally signed by Mark  
B. Foster St Claire -S  
Date: 2020.04.27  
10:05:55 -04'00'  
Mark St. Claire, DVM, Attending Vet.

Redacted by agreement

Redacted by agreement

(Revised - 02/2020)

## Semiannual Report Attachment 3 Supplemental Information Spring 2020

**Instructions:** Submit the following information with your Spring 2020 Semiannual Report as a separate file called IC SI S20.

**NOTE: *Guide* Exceptions (IC REP Spring 2020, section D):** a reminder that a new column was added in the spring 2019 cycle asking for the *Guide* citation for Exceptions (*Guide* chapter, section, and page number).

**1. Number of approved Animal Study Proposals (ASPs) as of 30 Apr 2020:**

Provide the total number of active/approved ASPs as of the 31 October 2019 cutoff date.

25

**2. Performance standards:**

Provide a description of ACUC approved performance standards. For additional information and examples, see the "Guide Departures & Performance Standards" document developed by OACU.

N/A

**3. Veterinary Verification & Consultation:**

If your IC has a VVC policy, please include a copy with your semiannual report submission.

**Category 2.1: Conditional Administrative Review Process (Veterinary Verification and Consultation)**

These changes may be approved by the NIAMS APD or NIAMS facility veterinarians in consultation with the principal investigator when the changes are within the scope of the following:

- Changes in method of euthanasia which are not expected to increase pain or distress or impact the approved personnel safety considerations and when consistent with the following:
  - Guidelines for the Euthanasia of Rodent Fetuses and Neonates
  - Guidelines for Euthanasia of Rodents Using Carbon Dioxide
  - Other methods of euthanasia that are approved or approved with conditions by the AVMA Guidelines for the Euthanasia of Animals: 2013 Edition
- Changes in substances that are the same class of compounds currently approved in the ASP and which are not expected to increase pain or distress, impact the approved endpoint criteria, or impact the approved personnel safety considerations.
- Changes in substances that are different types of compounds than those currently approved in the ASP but which are not expected to change the objectives of the study, increase pain or distress, impact the approved endpoint criteria, or impact the approved

personnel safety considerations. Changes are reviewed and approved by both Safety and the veterinarian when applicable. Examples of substances to be considered are diluents, and adjuvants.

- Change in duration, frequency, type or number of procedures performed on an animal that are not expected to increase pain or distress, impact the approved endpoint criteria, or impact the approved personnel safety considerations. The following procedures are allowed following compliance with ARAC Guidelines and NIH ACUC reviewed facility Standard Operating Procedures (SOPs):
  - Blood sampling method, volume, & frequency consistent with ARAC guidelines [http://oacu.od.nih.gov/ARAC/documents/Rodent\\_Bleeding.pdf](http://oacu.od.nih.gov/ARAC/documents/Rodent_Bleeding.pdf)
  - Food/water control consistent with ARAC guidelines [http://oacu.od.nih.gov/ARAC/documents/Diet\\_Control.pdf](http://oacu.od.nih.gov/ARAC/documents/Diet_Control.pdf)
  - Genotyping method consistent with ARAC [Guidelines for the Genotyping of Mice and Rats](#) and/or NIAMS SOP 6600.
  - Add additional time points to imaging studies already included on ASP
  - Changes in anesthesia, analgesia, or sedation consistent with NIAMS SOPs 6200 (Use of Anesthetic Gases – Isoflurane), 6201 (Anesthesia Guidelines in Rodents), 6203 – 6205 (Dose Calculations for Buprenorphine, Banamine and Meloxicam).

#### **4. Animal Adoption:**

If applicable, please provide the number of animals adopted from your IC by species. If your IC has an adoption policy, please include a copy with your semiannual report submission.

**N/A**

**NATIONAL INSTITUTES OF HEALTH**  
**Facilities and Animal Species Inventory Table**  
**Assurance Number: A-4149-01**

**IC Name:** National Institute of Arthritis and Musculoskeletal and Skin Diseases

**Fall Semiannual Report Submission Date: April 30, 2020**

Spring Program Review Date(s):	3/23/20					
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Fall Program Review Date(s):						
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Bldg/Area/Rm	Facility Insp. Date(s) Spring / Fall		AF/SF; Gross Sq. Ft.	Species Housed			Average Daily Inventory		
Redacted by agreement	3/23/2020		1,000	1 Mice	2	3	1 5,000	2	3
				4	5	6	4	5	6
				1	2	3	1	2	3
				4	5	6	4	5	6
				1	2	3	1	2	3
				4	5	6	4	5	6
				1	2	3	1	2	3
				4	5	6	4	5	6
				1	2	3	1	2	3
				4	5	6	4	5	6



**NATIONAL INSTITUTES OF HEALTH**  
**Facilities and Animal Species Inventory Table**  
 Assurance Number: A-4149-01

IC Name: Select one --

**Spring Semiannual Report Submission Date: October 31, 2019**

**CONTINUATION PAGE**

Bldg/Area/Rm	Facility Insp. Date(s) Spring / Fall		AF/SF; Gross Sq. Ft.	Species Housed			Average Daily Inventory		
				1	2	3	1	2	3
				4	5	6	4	5	6
				1	2	3	1	2	3
				4	5	6	4	5	6
				1	2	3	1	2	3
				4	5	6	4	5	6
				1	2	3	1	2	3
				4	5	6	4	5	6
				1	2	3	1	2	3
				4	5	6	4	5	6



April 30, 2020

Assurance#: A-4149-01

Date: \_\_\_\_\_

**Institutional Animal Care & Use Committee Roster**

Member Name	Degree/Credentials	Position Title	PHS Policy Membership Role	New Member
Massimo Gadina	PhD	Staff Scientist	Chair	<input type="checkbox"/>
Mark St. Claire	DVM, DACLAM	Animal Program Director	Attending Veterinarian	<input type="checkbox"/>
Redacted by agreement				<input type="checkbox"/>
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ACUC Chair Mailing Address &amp; Phone #:

Redacted by agreement

Attending Vet Phone #

Redacted by agreement